METHOD FOR FABRICATING Pt-MOx NANOPHASE ELECTRODES FOR HIGHLY EFFICIENT DYE-SENSITIZED SOLAR CELL

ABSTRACT OF THE DISCLOSURE

A method for fabricating a counter electrode for a dye-sensitized solar cell includes co-sputtering platinum and a metal oxide as target materials to deposit nanocrystalline platinum and an amorphous metal oxide on the substrate. The counter electrode exhibits improved performances as an electro-catalyst to assist in the reduction of I_3^- during operation of a dye-sensitized solar cell.